

PROPOSED SIGNS



R 10-4(1)
9" x 12"
(To Be Installed
With Pushbutton)

12



R 10-11b
24" x 24"

EXISTING SIGN

EXISTING SIGNALS

1-7



12"

9, 10



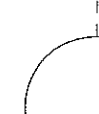
12"

EXISTING NEMA PHASING

Y2



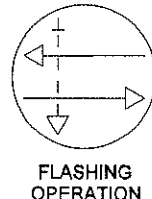
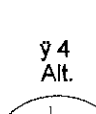
Y6



Y4



Y4 Alt



FLASHING
OPERATION

PROPOSED SIGNALS

8, 11



12"

PROJECT DESCRIPTION

I. GENERAL

This portion of the project involves the relocation of existing pedestrian crossing equipment at the intersection of US 1 and Farragut Street in Prince George's County, Maryland. US 1 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

Intersection operation is to remain unchanged.

EQUIPMENT LIST

B. Equipment to be furnished and/or installed by the Contractor.

Item Number	Quantity	Units	Description
1001	1	EA	Maintenance of traffic.
2002	2	CY	Test pit excavation.
5004	75	LF	12 in. wide HAPPTM - white for crosswalk.
5005	12	LF	24 in. wide HAPPTM - white for stop line.
5008	110	LF	Removal of existing pavement line markings-any width.
8000	1	EA	To be negotiated-Relocate existing signal head.
8010	4	EA	12 in. ped. signal head section.
8030	2	EA	Ped pole (any size).
8032	1	EA	Pushbutton and sign.
8047	2	LF	Remove and dispose foundation 12' below grade.
8059	1.4	CY	Concrete for signal foundation.
8062	30	LF	No. 6 stranded bare copper ground wire.
8067	21	LF	2 inch schedule 80 rigid PVC conduit-slotted.
8082	2	EA	Ground rod 3/4 inch x 10 foot length.
8084	110	LF	2-conductor electrical cable (No. 14 AWG).
8085	185	LF	3-conductor electrical cable (No. 14 AWG).
8093	6	LF	2 inch schedule 80 rigid PVC conduit-trenched

C. All removed signal material/equipment are to become the property of the contractor.

CONSTRUCTION DETAILS

- Remove existing steel pole and all attached equipment.
- Install 10 ft. steel pedestal pole on breakaway base with pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign.
- Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit - slotted.
- Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit - trenched.
- Remove existing pavement marking by grinding.
- Install 24 in. wide pavement marking - white for stop line.
- Install 12 in. wide pavement marking - white for crosswalk.
- Use existing conduit.
- Use existing handhole.
- Cap and abandon existing conduit.

NOTES

- Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at final grade.
- Loop detectors and conduits shall be installed prior to the installation of pavement markings.
- Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings are to be considered as existing.
- Revision 'C' is a revision to the traffic signal built in (Month), 19 under S.H.A. Contract No.: P-323-005-385.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

CONTACT LIST

The contact persons for District #3 are as follows:

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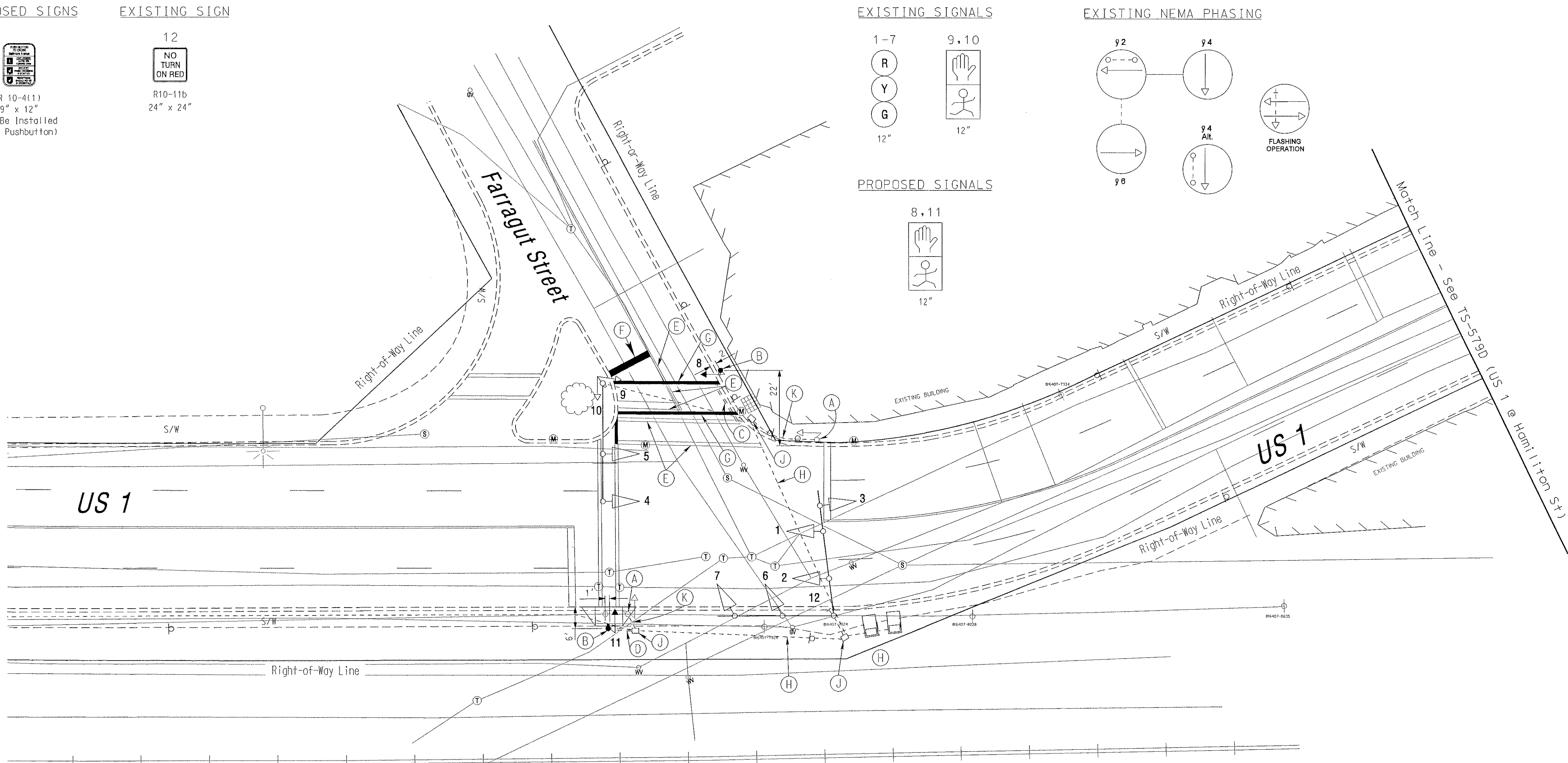
Mr. Richard L. Daff
Chief, Traffic Operations Division
410-787-7630

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

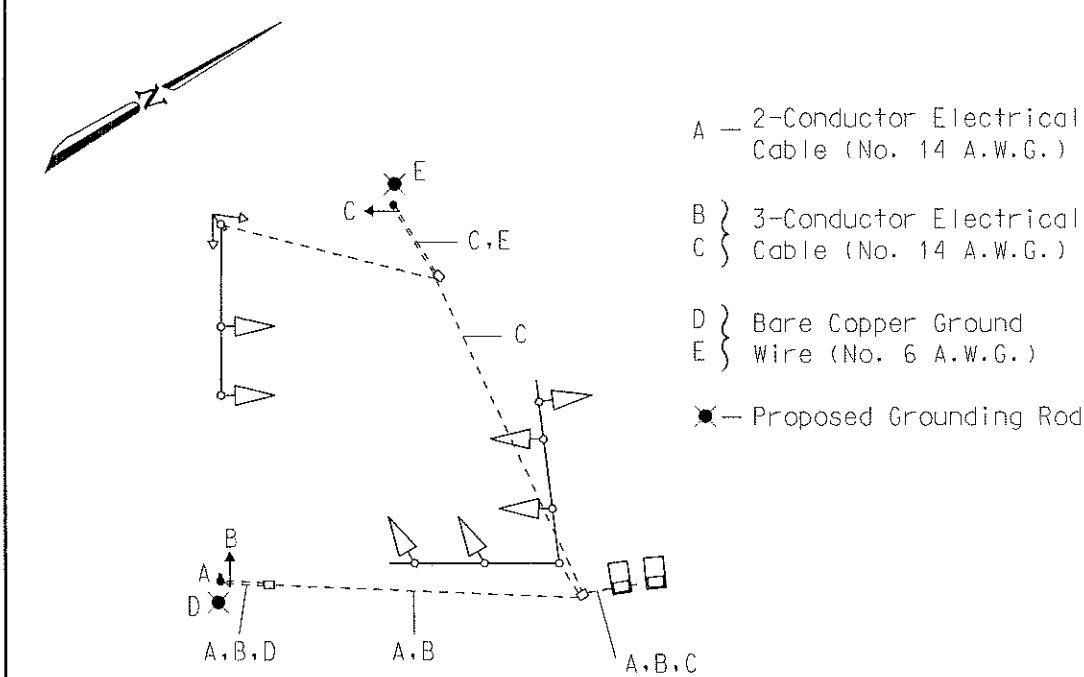
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES



Phase Chart

	1	2	3	4	5	6	7	8-9	10-11
Phase 2 & 6	G	G	G	G	G	R	R	WK	DW
Ped Clearance	G	G	G	G	G	R	R	FL/DW	DW
2 & 6 Change	Y	Y	Y	Y	Y	R	R	DW	DW
Phase 4	R	R	R	R	R	G	G	DW	DW
4 Change	R	R	R	R	R	Y	Y	DW	DW
Phase Alt 4	R	R	R	R	R	G	G	DW	WK
Ped Clearance	R	R	R	R	R	G	G	DW	FL/DW
Alt 4 Change	R	R	R	R	R	Y	Y	DW	DW
Flashing Operation	FL/Y	FL/R	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK

Wiring Diagram



Revision "C"

The Traffic Group, Inc.
410-931-6600
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REVISIONS		APPROVALS	
		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
		ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
		DIRECTOR, TRAFFIC & SAFETY	

© Revision Note
S.H.A. No.: XX1065285
FDB

September 13, 2001

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)
US Route 1 (Baltimore Avenue) at Farragut Street

DRAWN BY: W. Richardson	F.A.P. NO. U-902-1(23)	TS. NO. 1130C	SHEET NO. 1 OF 4
CHECKED BY: PG-434/154/16/49/10/11	S.H.A. NO. PG-434/154/16/49/10/11	T.I.M.S. NO. D-969	
SCALE: 1" = 20'	COUNTY: Prince George's	LOG MILE: 16000101.71	
DATE:			